

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows. Applicants attach to this paper a clean version of the amended Abstract, labeled "Replacement Abstract."

Wavelength A wavelength converter device is provided for generating a converted radiation at frequency $[[\Omega_g]]\omega_g$ through interaction between at least one signal radiation at frequency $[[\Omega_g]]\omega_s$ and at least one pump radiation at frequency $[[\Omega_g]]\omega_p$, [[with]] including an input for the at least one signal radiation at frequency $[[\Omega_g]]\omega_s[;]$, a pump light source for generating the at least one pump radiation at frequency $[[\Omega_g]]\omega_p$, an output for taking out the converted radiation at frequency $[[\Omega_g]]\omega_g$, a structure for transmitting the signal radiation, the structure including [[one]] two optical resonator resonators having a non-linear material, having an optical length of at least $40*\eta/2$ $40*\lambda/2$, wavelength $\eta \lambda$ being the wavelength of the pump radiation, and resonating at the pump, signal and converted frequencies $[[\Omega_p]]\omega_p$, $[[\Omega_s]]\omega_s$ and $[[\Omega_g]]\omega_g$. ~~The structure has a further optical resonator coupled in series to the optical resonator, the further optical resonator having a non-linear material, having an optical length of at least $40*\eta/2$, wherein η is the wavelength of the pump radiation, and resonating at the pump, signal and converted Ω_p , Ω_s and Ω_g , wherein by propagating through the structure, the pump and signal radiation generate the converted radiation by non-linear interaction within the optical resonators.~~